

Datasheet for ABIN7550845

PPP1R14D Protein (AA 1-145) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	PPP1R14D
Protein Characteristics:	AA 1-145
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PPP1R14D protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant PPP1R14D Protein expressed in mammalian cells.
Sequence:	MLSSSPASCT SPSPDGENPC KKVHWASGRR RTSSTDSESK SHPDSSKIPR SRRPSRLTVK YDRGQLQRWL EMEQWVDAQV QELFQDQATP SEPEIDLEAL MDLSTEEQKT QLEAILGNCP RPTEAFISEL LSQKLLRRL SRPQK Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.

Product Details

- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	PPP1R14D
Alternative Name:	PPP1R14D (PPP1R14D Products)
Background:	Protein phosphatase 1 regulatory subunit 14D (Gastrointestinal and brain-specific PP1-inhibitory protein 1) (GBPI-1),FUNCTION: Inhibitor of PPP1CA. Has inhibitory activity only when phosphorylated, creating a molecular switch for regulating the phosphorylation status of PPP1CA substrates and smooth muscle contraction. {ECO:0000269 PubMed:12974676}.
Molecular Weight:	16.5 kDa
UniProt:	Q9NXH3

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.

Handling

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months